

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	292476	(merg\$4 coalesc\$4 join\$4 composit\$4 overlay\$4 overlap\$4) near3 (layer plane sub-layer sub-plane sublayer subplane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:09
S2	1318148	(order\$4 arrang\$4 sort\$4 group\$4 separat\$4 organiz\$4 rank\$4 prioritiz\$5) near2 (group set layer plane data data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:12
S3	19842	(assign\$4 giv\$3 classif\$4 impute) near3 (order priority rank weight) near4 (group set data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:28
S4	20785	(assign\$4 giv\$3 classif\$4 impute) near3 (order priority rank weight hierarch\$5) near4 (group set data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:30
S5	305	S1 and S2 and S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:30
S6	20986	S1 same S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:30
S7	5051	S2 same S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:30
S8	1	S1 same S2 same S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
S9	26	(S1 same S2) and (S2 same S3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:34

## EAST Search History

S10	26622	(plural\$4 several three multipl\$4 pluralit\$4 multiplicit\$4 many some few) near2 (set group) near2 (object data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:35
S11	40196	(plural\$4 several three multipl\$4 pluralit\$4 multiplicit\$4 many some few) near2 (set group subset subgroup sub-group sub-set) near2 (object data item thing element node)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:36
S12	44802	(plural\$4 several three multipl\$4 pluralit\$4 multiplicit\$4 many some few) near2 (set group subset subgroup sub-group sub-set) near2 (object data item thing element node point)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:36
S13	45810	(plural\$4 several three multipl\$4 pluralit\$4 multiplicit\$4 many some few) near2 (set group subset subgroup sub-group sub-set) near2 (object data item thing element node point vector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:36
S14	50870	(plural\$4 several three multipl\$4 pluralit\$4 multiplicit\$4 many some few) near2 (set group subset subgroup sub-group sub-set) near2 (object data item thing element node point vector member)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:16
S15	219	(assign\$4 giv\$3 classif\$4 impute) near3 (order priority rank weight) same S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:43
S16	3242	(classif\$8 rank\$4 order\$4) with S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:44
S17	1470	S16 same S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:44

## EAST Search History

S18	109	S17 and ("345"/\$ "715"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:45
S19	16	S15 and ("345"/\$ "715"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:45
S20	1359	S2 with S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:14
S21	21	S20 with map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:08
S22	4	S20 same map not S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:08
S24	26	(merg\$4 coalesc\$4 join\$4 composit\$4 overlay\$4 overlap\$4) with S20 not S22 not S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:09
S25	1686904	(order\$4 arrang\$4 sort\$4 group\$4 separat\$4 organiz\$4 rank\$4 prioritiz\$5) near2 (group set layer plane data building element node)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:13
S26	252	S25 with S16 not S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:14
S27	1	S26 same map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:14

## EAST Search History

S28	52492	(plural\$4 several three multipl\$4 pluralit\$4 multiplic\$4 many some few) near2 (set group subset subgroup sub-group sub-set) near2 (object data item thing element node point vector member building body)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:17
S29	11697	map with (layer plane sublayer subplane sub-layer sub-plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:20
S30	701	S28 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:21
S31	40	S28 same S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:21
S32	40	S31 not S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:21
S33	20783	(assign\$4 giv\$3 classif\$4 impute) near3 (order priority rank weight hierarch\$4) near4 (group set data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:28
S34	152	(rank\$4 order\$4 prioritiz\$4 ((assign\$4 giv\$3 classif\$4 impute) near3 (order priority rank weight))) near3 (area size range amount quantity) same S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:35
S35	59	(rank\$4 order\$4 prioritiz\$4 ((assign\$4 giv\$3 classif\$4 impute) near3 (order priority rank weight))) near3 (area size range amount quantity) with S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:31
S36	5065	(rank\$4 order\$4 prioritiz\$4 ((assign\$4 giv\$3 classif\$4 impute) near3 (order priority rank weight))) near3 (area size range amount quantity) and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 15:29

## EAST Search History

S37	93	S34 not S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:01
S38	4	("20040218833" "6057840").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:24
S39	2	("6278383".pn.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:25
S41	2	EP-510939-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:26
S42	1	EP-738874-\$.pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:28
S43	20	("5161886" "5884217" "6011566" "6141014" "6341254" "6556185" "20040165775" "20050031197" "20050033511" "20050184993"). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:29
S44	9	(S38 S39 S40 S41 S42)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:29
S45	25	(S39 S40 S41 S42 S43)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:38
S46	2	"20040001648".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 12:58

## EAST Search History

S47	44	priorit\$5 with layer with electric\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:00
S48	172	priorit\$5 with layer and electric\$4 and (pipe piping)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:00
S49	166	S48 not S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:12
S50	6281	priorit\$8 and layer and user and utilit\$4 and electric\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:12
S51	1328	priorit\$8 and layer and user and utilit\$4 and electric\$4 and pip\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:12
S52	2756	S50 and map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:12
S53	556	S51 and map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:13
S54	102	S53 and priorit\$8 same layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:14
S55	78	S54 not Bowman-Amuah.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:15

## EAST Search History

S56	38	S54 not Bowman-Amuah.in. not Walmsley.in. not Silverbrook.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:15
S57	1319889	(order\$4 arrang\$4 sort\$4 group\$4 separat\$4 organiz\$4 rank\$4 prioritiz\$5) near2 (group set layer plane data data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:18
S58	50961	(plural\$4 several three multipl\$4 pluralit\$4 multiplic\$4 many some few) near2 (set group subset subgroup sub-group sub-set) near2 (object data item thing element node point vector member)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:18
S59	3248	(classif\$8 rank\$4 order\$4) with S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:18
S60	1362	S57 with S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:18
S61	26	(merg\$4 coalesc\$4 join\$4 composit\$4 overlay\$4 overlap\$4) with S60	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:18

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S41	13	overlap\$5 near (window object region section) with (different chang\$4 alter\$4) with appearance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 16:43
S42	45	overlap\$5 near (window object region section) with (different chang\$4 alter\$4) with (property properties)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 16:43
S43	8	(S41 S42) same (color colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 16:45
S44	16	(S41 S42) and (color colour) with (chang\$4 alter\$4 vary\$4 differ\$4) not S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 19:41
S45	46	(overlap\$4 overlay\$4) near2 (window region section portion (dataset (data near set)) map) with weight\$5 with (fill color colour ((number quantity) near (object point)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 19:56
S46	112920	((fill\$3 near2 area)(number near2 (color colour))((number quantity) near2 (object icon)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 19:44
S47	16	S45 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 19:44
S48	9	S45 same S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 19:44
S49	15	(merg\$4 composit\$4 overlay\$4 overlap\$4) near4 (weight\$4 alpha) near2 S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 19:53



## EAST Search History

S50	48	(merg\$4 composi\$4 overlay\$4 overlap\$4) near4 (weight\$4 alpha) with S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:15
S51	1	S50 and ("345"/\$ "715"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 19:53
S52	540	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4) with (more larger higher greater majority increas\$4) near2 (bottom lower) with layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:22
S53	68	S52 same (merg\$4 composi\$4 overlay\$4 overlap\$4 interleav\$4 interlac\$4 coalesc\$4 join\$4 blend\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:18
S54	21	(merg\$4 composi\$4 overlay\$4 overlap\$4 interleav\$4 interlac\$4 coalesc\$4 join\$4 blend\$4) with layer same priority same (percent\$4 amount ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:30
S55	562	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (more larger higher greater majority increas\$4) near2 (bottom lower) with layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:23
S56	5106	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (more larger higher greater majority increas\$4) with (bottom lower) with layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:23
S57	10250	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (more larger higher greater majority increas\$4) with (((bottom lower) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:23
S58	1343	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (more larger higher greater majority increas\$4) near2 (((bottom lower) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:31

## EAST Search History

S59	251	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (more larger higher greater majority increas\$4) with layer near2 (((bottom lower) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:24
S60	4	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with ((more larger higher greater majority increas\$4) near2 (area percent\$4 proportion\$5 ratio)) with layer near2 (((bottom lower) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:25
S61	4	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (more larger higher greater majority increas\$4) near2 (area percent\$4 proportion\$5 ratio) with layer near2 (((bottom lower) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:25
S62	22	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (more larger higher greater majority increas\$4) with (area percent\$4 proportion\$5 ratio) with layer near2 (((bottom lower) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:26
S63	1	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (layer plane) near2 (((bottom lower) with layer) background) with (percent\$4 proportion\$5 ratio) near2 (screen total area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:27
S64	58	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (((layer plane) near2 (bottom lower)) background) with (percent\$4 proportion\$5 ratio) near2 (screen total area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:28
S65	14	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with ((layer plane) near2 (bottom lower background)) with (percent\$4 proportion\$5 ratio) near2 (screen total area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:28

## EAST Search History

S66	58	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4) with (((layer plane) near2 (bottom lower background)) background) with (percent\$4 proportion\$5 ratio) near2 (screen total area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:28
S67	1656	(merg\$4 composit\$4 overlay\$4 overlap\$4 interleav\$4 interlac\$4 coalesc\$4 join\$4 blend\$4) with graphic\$4 near2 (layer plane object)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:47
S68	1373	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) with (more larger higher greater majority increas\$4) near2 (((bottom lower background) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:58
S69	151	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) with (more larger higher greater majority increas\$4) near2 (proportion\$4 percent\$4 amount) with (((bottom lower background) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:32
S70	13	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (((bottom lower background) with layer) background) near2 (plane layer) with (more larger higher greater majority increas\$4) near2 (proportion\$4 percent\$4 amount)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:18
S71	13	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (((bottom lower background) with (layer plane)) background) near2 (plane layer) with (more larger higher greater majority increas\$4) near2 (proportion\$4 percent\$4 amount)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:36
S72	30	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (((bottom lower background) with (layer plane)) background) with (more larger higher greater majority increas\$4) near2 (proportion\$4 percent\$4 amount)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:33

## EAST Search History

S73	17	S72 not S71	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:33
S74	5	S67 and S68	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:34
S75	117	S67 with (alpha (transparen\$5 near3 (weight\$4 ratio proportion\$4 percent\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:36
S76	12723	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (((bottom lower background) with (layer plane)) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:43
S77	2	S75 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:37
S78	88031	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) with (((bottom lower background) with (layer plane)) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:39
S79	58	S75 and (S78 not S76)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:40
S80	4587	(layer plane object) with (less\$2 few\$3 least) near2 (amount number percent\$4 portion proportion\$4 quantity) near3 (area complex\$4 color colour data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:42
S81	36	S80 same background	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:42

## EAST Search History

S82	737	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (layer plane object) near4 background	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:44
S83	3388	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (layer plane object) near4 (background ((bottom low\$3 back) adj (layer plane object map))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:55
S84	20	S67 and S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:46
S85	12	S79 NOT MacInnis.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:46
S86	1392	((assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (layer plane object map) near4 (background ((bottom low\$3 back base) adj (layer plane object map)))) not S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:02
S87	2257	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (layer plane weight\$4 alpha transparen\$5) with (more larger higher greater majority increas\$4) near2 (amount ratio area proportion\$4 percent\$4 portion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:01
S88	5	S86 and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 20:59
S89	3559	((assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4) near2 (layer plane object map) with (background ((bottom low\$3 back base) adj (layer plane object map)))) not S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:00
S90	29	S87 and S89	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:00

## EAST Search History

S91	24	S90 not S88	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:00
S92	4578	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3) with (layer plane depth) with (more larger higher greater majority increas\$4) near2 (amount ratio area proportion\$4 percent\$4 portion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:09
S93	5321	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3) with (layer plane depth) with (more larger higher greater majority increas\$4) near2 (amount ratio area proportion\$4 percent\$4 portion weight\$4 alpha transparen\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:03
S94	5543	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3) with (layer plane depth) with (more larger higher greater majority increas\$4) near2 (amount ratio area proportion\$4 percent\$4 portion weight\$4 alpha transparen\$5 complex\$4 (number near (point object)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:04
S95	326	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$3) near3 (alpha transparen\$5 weight\$4) same S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:04
S96	454	S94 same (image graphic\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:04
S97	28	S95 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:05
S98	150	S67 same (alpha ((percent\$4 proportion\$4 amount weight\$4) near6 (transparen\$5 opacit\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:08

## EAST Search History

S99	7573	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3) with (layer plane depth order) with (more larger higher greater majority increas\$4) near2 (amount ratio area proportion\$4 percent\$4 portion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:10
S100	111	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$4) with (layer plane depth order) and S98	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:10
S101	60	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$4) with (layer plane depth order) same S98	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:25
S102	14	S101 not MacInnis.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:12
S107	980	(plural\$4 pluralit\$4 multipl\$4 multiplic\$4 several many three) near3 (plane layer object window ((object data) near3 (set block representat\$4)) map) with (merg\$4 composit\$4 overlay\$4 overlap\$4 interleav\$4 interlac\$4 coalesc\$4 join\$4 blend\$4) near4 (order sequence preced\$4 layout series)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:17
S108	84	S107 same (((bottom low\$3 background) with layer) background)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:19
S109	708	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$4) with (sequenc\$4 plane depth order) with (merg\$4 composit\$4 overlay\$4 overlap\$4 interleav\$4 interlac\$4 coalesc\$4 join\$4 blend\$4) with (simpl\$4 simplicit\$4 ((least\$4 less\$4) near2 (complex\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:30

## EAST Search History

S11 0	16	S109 same background	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:27
S11 1	3	S109 same (back last) near2 (layer object plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:27
S11 2	252068	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$4) near3 (weight\$4 transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:33
S11 3	21	(US-20020044152-\$ or US-20050052462-\$ or US-20020097270-\$ or US-20010034588-\$ or US-20050231526-\$ or US-20030146922-\$ or US-20030197716-\$ or US-20040227758-\$).did. or (US-6369830-\$ or US-6361438-\$ or US-5880735-\$ or US-6658375-\$ or US-6750858-\$ or US-5617114-\$ or US-5412775-\$ or US-6952661-\$ or US-6720977-\$ or US-5233686-\$ or US-6466210-\$ or US-6392644-\$).did. or (DE-10245557-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/07/05 21:31
S11 4	6	S112 and S113	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:31
S11 5	76037	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$4) near3 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:36



## EAST Search History

S11 6	13169	((alter\$4 vary\$4 chang\$4 assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$4) near3 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)))) with (layer plane object)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:39
S11 7	20750	((alter\$4 vary\$4 chang\$4 assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$4) near3 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)))) same (layer plane object)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:36
S11 8	15	S116 with (((number amount) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:45
S11 9	76	S117 same (((number amount) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area)))))) not S118	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:49
S12 0	189	(merg\$4 composit\$4 overlay\$4 overlap\$4 interleav\$4 interlac\$4 coalesc\$4 join\$4 blend\$4) with ((graphic\$4 near2 (layer plane object))(layer near3 map)) with ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:50

## EAST Search History

S12 1	6149	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$3) near2 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha))) with (layer plane object raster)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:52
S12 2	38	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$3) near2 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha))) with (((number amount) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:54
S12 3	135	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$3) near6 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha))) with (((number amount) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:52

## EAST Search History

S12 4	38	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$3) near2 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio parameter) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha))) with (((number amount) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 21:53
S12 5	100	(assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 set\$3 mak\$3) near2 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio parameter) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha))) with (((number amount) near2 (object point))((proportion\$4 percent\$4 ratio) near2 (area amount total sum population density (screen near (space area))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 22:08
S12 6	62	S125 not S124	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 22:08
S12 7	22127	(determin\$4 determinat\$4 identif\$5 identificat\$4 decid\$4 choos\$4 assign\$4 plac\$4 placem\$4) near3 (order depth position top) near3 (layer icon plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:45
S12 8	228	S127 same map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:29

## EAST Search History

S12 9	130	S127 with map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:40
S13 0	72	S128 and ("345"/\$ "715"/\$).cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:29
S13 1	63	S128 same (complex\$4 size "fill area" ((number amount type) near (object color colour)) area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:48
S13 2	12	S130 and S131	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:42
S13 3	22401	(determin\$4 determinat\$4 identif\$5 identificat\$4 decid\$4 choos\$4 assign\$4 plac\$4 placem\$4) near3 (order depth position top priority) near3 (layer icon plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 09:26
S13 4	266	S133 same map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:47
S13 5	1002	S133 and ("345"/\$ "715"/\$).cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:48
S13 6	64	S134 same (complex\$4 size "fill area" ((number amount type) near (object color colour)) area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 08:48
S13 7	1	S136 not S131	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 09:09

## EAST Search History

S13 8	2	"4484187".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 09:09
S13 9	222	S133 with (determinat\$4 identifi\$5 identificat\$4 decid\$4 choos\$4 assign\$4 plac\$4 placem\$4) near2 (size area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 09:27
S14 0	4	S139 same map\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 09:27
S14 1	328	S133 same (determinat\$4 identifi\$5 identificat\$4 decid\$4 choos\$4 assign\$4 plac\$4 placem\$4) near2 (size area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 09:27
S14 2	413	S133 and (layer plane) with (least smallest lesser) near (area overlap cover coverage size)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 10:04
S14 3	40	S133 same (layer plane) with (least smallest lesser) near (area overlap cover coverage size)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 10:04
S14 4	6	S141 and S143	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 10:09
S14 5	34	S143 not S144	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 10:09
S14 7	33	S141 and ("345"/\$ "715"/\$).ccls, ccxr.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 10:10

## EAST Search History

S14 8	30	S147 not Zitnick.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 10:12
S14 9	190011	(object element node thing entity widget data (plane layer object window ((object data) near3 (set block representat\$4)) map)) near2 (group set collection aggregat\$4 batch conglomeration (plural\$4 pluralit\$4 multipl\$4 multiplicit\$4 several many three)) with (illustrat\$4 fill\$3 exhibit\$4 depict\$4 draw\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 0	309912	(object element node thing entity widget data (plane layer object window ((object data) near3 (set block representat\$4)) map)) near2 (group set collection aggregat\$4 batch conglomeration (plural\$4 pluralit\$4 multipl\$4 multiplicit\$4 several many three)) with (illustrat\$4 fill\$3 exhibit\$4 depict\$4 draw\$4 display\$4 map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 1	47	(overlap\$4 overlay\$4) near2 (window region section portion (dataset (data near set)) map) with weight\$5 with (fill color colour ((number quantity) near (object point)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 2	115548	((fill\$3 near2 area)(number near2 (color colour))((number quantity) near2 (object icon)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 3	17	S151 and S152	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 4	5083	((assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 pick\$4) near2 (layer plane object map) near4 (background ((bottom low\$3 back base) adj (layer plane object map)))) not S153	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07

## EAST Search History

S15 5	22820	(determinat\$4 determinat\$4 identif\$5 identificat\$4 decid\$4 choos\$4 assign\$4 plac\$4 placem\$4) near3 (order depth position top priority) near3 (layer icon plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 6	338	S155 same (determinat\$4 determinat\$4 identif\$5 identificat\$4 decid\$4 choos\$4 assign\$4 plac\$4 placem\$4) near2 (size area)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 7	34	S156 and ("345"/\$ "715"/\$).ccls, ccxr.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:07
S15 8	5083	((assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 pick\$4) near2 (layer plane object map) near4 (background ((bottom low\$3 back base) adj (layer plane object map)))) not S157	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:43
S15 9	819	S150 and S158	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:20
S16 0	70	S150 same S158	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 16:54
S16 1	31	S160 and (alpha transparen\$6 translucen\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:17
S16 2	39	S160 not S161	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:19

## EAST Search History

S16 3	7731	(layer plane sub-plane sub-layer subplane subplane) with (order\$4 sequen\$5 consecut\$4 subsequent\$4 success\$4) near3 ((transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)(weight\$4 near3 (transparen\$4 ((percent\$4 proportion\$4 amount ratio) near2 (transparen\$5 translucen\$5 opacit\$4)) alpha)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:22
S16 4	711	(layer plane sub-plane sub-layer subplane subplane) with (order\$4 sequen\$5 consecut\$4 subsequent\$4 success\$4) with (((number amount quantity multitud\$4) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:30
S16 5	10	S163 and S164	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:29
S16 6	4	S163 same S164	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:29
S16 7	740	(layer plane sub-plane sub-layer subplane subplane) with (order\$4 sequen\$5 consecut\$4 subsequent\$4 success\$4) with (((number amount quantity multitud\$4) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area)) size)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:30
S16 8	760	(layer plane sub-plane sub-layer subplane subplane) with (order\$4 sequen\$5 consecut\$4 subsequent\$4 success\$4) with (((number amount quantity multitud\$4) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area)) size dimension\$4 bigness)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:43



## EAST Search History

S16 9	5083	((assign\$4 plac\$4 giv\$3 plac\$4 put\$4 designat\$4 choos\$4 choic\$3 pick\$4) near2 (layer plane object map sublayer sub-layer subplane sub-plane) near4 (background ((bottom low\$3 back base) adj (layer plane object map)))) not S157	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:43
S17 0	767	(layer plane sub-plane sub-layer subplane subplane) with (order\$4 sequen\$5 consecut\$4 subsequent\$4 success\$4 hierarch\$5) with (((number amount quantity multitud\$4) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area)) size dimension\$4 bigness)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:47
S17 1	773	(layer plane sub-plane sub-layer subplane subplane) with (order\$4 sequen\$5 consecut\$4 subsequent\$4 success\$4 hierarch\$5 priority) with (((number amount quantity multitud\$4) near (object point))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area)) size dimension\$4 bigness)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:01
S17 2	20	S171 and ("345"/\$ "715"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 17:51
S17 3	357	((layer plane sub-plane sub-layer subplane subplane) with (order\$4 sequen\$5 consecut\$4 subsequent\$4 success\$4 hierarch\$5 priority) with (((number amount quantity multitud\$4) near (object point element node))((proportion\$4 percent\$4 ratio) near (area amount total (screen near (space area)) size dimension\$4 bigness)))) not S164	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:02
S17 4	287	S163 and (number amount quantity multitud\$4) near (object point element node)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:34

## EAST Search History

S17 5	2	S163 same (number amount quantity multitud\$4) near (object point element node)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:02
S17 6	205	S163 and ("345"/\$ "715"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:34
S17 7	34	715/766.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:33
S17 8	97	715/768.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:33
S17 9	63	S174 and ("345"/\$ "715"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 18:35
S18 0	325	map same (object element group node data arrow vector field) same (transparency alpha transparen\$5 opacity) with (chang\$4 vary\$8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 19:00
S18 1	29	map same (object element group node data arrow vector field) same (layer plane sub-layer sublayer subplane sub-plane) with (transparency alpha transparen\$5 opacity) with (chang\$4 vary\$8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:49
S18 2	581	map same (object element group node data arrow vector field) same (layer plane sub-layer sublayer subplane sub-plane) with (transparency alpha transparen\$5 opacity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 19:00
S18 3	3	(indicat\$5 show\$4 draw\$4 display\$4 illustrat\$4) with speed with traffic same (overlay\$4 merg\$4 coalesc\$5 overlap\$4) with map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 09:55

## EAST Search History

S18 4	29	map same (object element group node data arrow vector field) same (layer plane sub-layer sublayer subplane sub-plane) with (transparency alpha transparen\$5 opacity) with (chang\$4 vary\$8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:55
S18 5	29	layer near (electric\$4 utilit\$5 pip\$3) and user with priorit\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:58
S18 6	50	(Okane.in. and Tanaka.in. ) (Shotaro.in. and Ryuji.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:57
S18 7	5	Okane.in. and map	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:57
S18 8	1613	(plane layer sub-layer sub-plane subplane sublayer) with (electric\$4 utilit\$5 pip\$3) and user and priorit\$7 and map	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:59
S18 9	253	(plane layer sub-layer sub-plane subplane sublayer) with (electric\$4 utilit\$5 pip\$3) and user and priorit\$7 same layer and map	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 14:00
S19 0	102	(plane layer sub-layer sub-plane subplane sublayer) with (electric\$4 utilit\$5 pip\$3) and user and priorit\$7 same layer and map	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 14:00
S19 1	100	(plane layer sub-layer sub-plane subplane sublayer) with (electric\$4 utilit\$5 pip\$3) and user and priorit\$7 same layer and map	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 14:00